


INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY DOCKET NO.

A382-USA

APPLICATION NO.

10/711,154

APPLICANT(S)

Jiang

FILING DATE

August 27, 2004

GROUP ART UNIT

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
TMS	JP 2002 362972 A	04/02/2003	Japan				
TMS	JP 2001 302345 A	04/02/2002	Japan				
TMS	WO 01/80783 A2	11/01/2001	WIPO				

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

EXAMINER

DATE CONSIDERED

10/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>		Docket Number (Optional) A382-USA	Application Number
		Applicant(s) Jiang	
		Filing Date	Group Art Unit
*EXAMINER INITIAL	OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>		
TMS	CHUNG, T., SONG, H., KIM, G. and D.; "Microstructure and Phase Stability of Yttria-Doped Tetragonal Zirconia Polycrystals Heat Treated In Nitrogen Atmosphere", J. Am. Ceram. Soc., 80 [10] 2607-12 (1997)		
TMS	DRUMMOND, L.; "In Vitro Aging of Yttria-Stabilized Zirconia"; J. Am. Ceram. Soc., 72 [4] 657-76 (1989)		
TMS	KOH, Y., KONG, Y., KIM, S., KIM, H.; "Improved Low-Temperature Environmental Degradation of Yttria-Stabilized Tetragonal Zirconia Polycrystals by Surface Encapsulation", J. Am. Ceram. Soc., 82 [6] 1456-58 (1999)		
TMS	CREMILLARD, CHEVALIER, EPICIER AND FANTOZZI, "Improving the Durability of a Biomedical-Grade Zirconia Ceramic by the Addition of Silica", J. Am. Ceram. Soc., 85 [2] 401-407 (2002)		
TMS	DRUMMOND, J.; "Effects of In Vitro Aging of Magnesia-Stabilized Zirconia"; J. Am. Ceram. Soc., 75 [5]; 1278-1280; 1992		
TMS	PICONI, C. and MACCAURO, G.; "Zirconia as a Ceramic Biomaterial", Biomaterials; 1999; 1-25; 20		
TMS	LIU, J. and DUH, J., "Crystallinity Size and Microstrain of Thermally Aged Low-Ceria and Low-Yttria-Doped Zirconia"; J. Am. Ceram. Soc., 81 [4] 853-60 (1998)		
TMS	HO, F. and WEI, W., "Dissolution of Yttrium Ions and Phase Transformation of 3Y-TZP Powder in Aqueous Solution"; J. Am. Ceram. Soc., 82 [6] 1614-16 (1999)		
TMS	LI, J. and WATANABE, R.; "Phase Transformation in Y2O3-Partially-Stabilized ZrO₂ Polysrystals of Various Grain Sizes during Low-Temperature Aging in Water"; J. Am. Ceram. Soc., 80 [10] 2607-12 (1997)		
TMS	PICONI, C., BURGER, W., et al; "Y-TZP Ceramics for Artificial Joint Replacements"; Biomaterials 19 (1998) 1489-1494		
EXAMINER <i>[Signature]</i>	DATE CONSIDERED 10/05		
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	Material and Method to Prevent Low Temperature Degradation of Zirconia in Biomedical Implants
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Application Number : 10/711,154

Confirmation Number:

First Named Applicant: Guangqiang Jiang

Attorney Docket Number: A382-USA

Art Unit:

Examiner:

Search string: (4414282 or 4536203 or 4587225 or 5021307 or 5104738 or 5648302 or 5693580 or 5820989 or 6609013 or 20020013625).pn

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
TMS	1	4414282	1983-11-08	McCollister			
	2	4536203	1985-08-20	Kramer			
	3	4587225	1986-05-06	Tsukidate			
	4	5021307	1991-06-04	Brow			
	5	5104738	1992-04-14	Brow			
	6	5648302	1997-07-15	Brow			
	7	5693580	1997-12-02	Brow			
↓	8	5820989	1998-10-13	Reed			
TMS	9	6609013	2000-05-30	Kwon			

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
TMS	1	20020013625	2002-01-31	Abouaf			

Signature

Examiner Name Tomas M. Speer	Date 10/05
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